

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

RIVERSTONE QUARRY, INC.

Pursuant to "The Land Reclamation Act," RSMo. 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 58 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Franklin	26, 27, 34, 35	43N	01E	58	0	58	Riverstone Quarry	0470

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 10th day of September 2004


DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0409

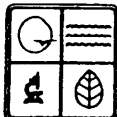
Effective Date 09/10/2004

Expiration Date 09/02/2005

MO 780-1122 (6-95)

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AUG 30 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND RECLAMATION COMMISSION
P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Riverstone Quarry, INC.		DATE 8-23-04	
ADDRESS P.O. Box 143	CITY VILLA RINGE	STATE MO	ZIP CODE 63089
CONTACT PERSON Stephen Rust		TELEPHONE NUMBER 636-742-4526	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. 0470	<input checked="" type="checkbox"/> Jan, <input checked="" type="checkbox"/> Feb, <input checked="" type="checkbox"/> Mar, <input checked="" type="checkbox"/> Apr, <input checked="" type="checkbox"/> May, <input checked="" type="checkbox"/> Jun, <input checked="" type="checkbox"/> Jul, <input checked="" type="checkbox"/> Aug, <input checked="" type="checkbox"/> Sep, <input checked="" type="checkbox"/> Oct, <input checked="" type="checkbox"/> Nov, <input checked="" type="checkbox"/> Dec	\$ 300
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE **300**

2. Acreage Fee \$5 X **58** number of acres bonded **290**

3. Annual Permit Fee **500**

4. Total Fee (Add totals from 1, 2 and 3) **\$1090.00**

NOTE: If Total Fee exceeds \$2,500.00 then pay only **\$2,500**

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee **300**

SIGNATURE OF APPLICANT <i>Stephen Rust</i>		TITLE V. Pres.	DATE 8-23-04
Appeared before me this 24th day of AUGUST , 20 04 , to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSEER SEAL	STATE OF MISSOURI	COUNTY (OR CITY OF ST. LOUIS) FRANKLIN	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 24th DAY OF August YEAR 2004		
	NOTARY PUBLIC SIGNATURE <i>Patricia A. Thayer</i>	MY COMMISSION EXPIRES 6-19-07	USE RUBBER STAMP IN CLEAR AREA BELOW. PATRICIA A. THAYER Notary Public - State of Missouri County of Franklin My Commission Expires Jun. 19, 2007
	NOTARY PUBLIC NAME (TYPED OR PRINTED) PATRICIA A. THAYER		
FOR DEPARTMENT USE ONLY: APPROVED BY <i>Michael G. ...</i>		DATE APPROVED 8/31/04	PERMIT NUMBER 0409 EXPIRATION DATE 9/2/05

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.

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RECLAMATION COMMISSION

SITE NAME OR NUMBER Riverstone Quarry		PERMIT NUMBER 0409
COMPANY NAME Riverstone Quarry, Inc.		
COUNTY Franklin	¼ SECTION SW, SE & NE & NW, NE, NW	SECTION 26, 27, 34, 35
TOWNSHIP 43N	RANGE 1E	ACRES 170
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A >5000 tons ^{TT} 7-12-01

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Riverstone Quarry, Inc.		
ADDRESS P.O. Box 143		
CITY Villa Ridge	STATE MO	ZIP CODE 63089
SOURCE OF RIGHT TO MINE (CHECK ONE) <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Riverstone Quarry, Inc.		
ADDRESS P.O. Box 143		
CITY Villa Ridge	STATE MO	ZIP CODE 63089
SOURCE OF RIGHT TO MINE (CHECK ONE) <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

MISSOURI LAND
RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

COMPANY NAME Riverstone Quarry, Inc.

☒ LONG TERM, FOR PERIOD THROUGH DATE: December 31, 2075

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This plan covers an area of approximately 170 acres. (See Detail Map.) The land is partially wooded and partially meadow. The topsoil is thin and rocky. The subsoil consists of clay and rock. Most of the area is steeply sloped.

There is a 21-acre area mined before 1972 that is not included in this mine plan. It is located directly to the northwest of the intersection of Highway O and American Inn Road. (See Detail Map.)

OPERATION PLAN CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

6

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

After any vegetation is removed with loaders, the top 12 inches of topsoil will be loaded onto haul trucks and stockpiled. In most areas, 12 inches of topsoil is not available. In these areas, the available topsoil plus overburden totaling 12 inches will be removed. In some areas 12 inches of overburden does not exist. An adequate amount of topsoil will be stored to provide for reclamation needs. Topsoil removal will be completed during the summer for the areas to be mined the following year. Topsoil removal will be kept at least 10 feet ahead of pit excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil will be stockpiled within the permitted area and protected from erosion by allowing a natural vegetative cover to form on the area of the pile not in use.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Spoil, or overburden not considered to be topsoil, will be removed by loader following topsoil removal. Spoil will be stockpiled separately from topsoil within the permitted area.

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DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The pit, which was begun prior to 1972, proceeds from the northwest corner of Highway O and American Inn Road toward the north and west. The pit will advance northward and westward to within approximately 50 feet of the property boundaries. The pit boundary will be greater than 50 feet from Interstate 44.

YES NO

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1 1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes," a safety barrier may be needed.) |

RECLAMATION PLAN – 10 CSR 40-10.020(2)(D)2.**A. REVEGETATION** (Attach additional sheets, if needed.)

REVEGETATION MIX #1 #1	PURPOSE OR LAND USE Wildlife and Development	SEEDING OR PLANTING TIME March-April or September-October
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring or fall following topsoil replacement, the seed mix will be broadcast and harrowed. Reseeding will be done as needed to achieve grass cover sufficient to control erosion.

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RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	8		
Timothy	4		
Ladino Clover	1		
Red Clover	8		

REVEGETATION MIX #2	PURPOSE OR LAND USE	SEEDING OR PLANTING TIME
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS IF

S:

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

A lake of approximately 125 acres will be constructed in the final pit area. The perimeter, encompassing approximately 20 acres will be reclaimed with spoil material and 6 - 12 inches of seeded topsoil material. The perimeter of the pit/lake will consist mostly of safety berms where the pit/lake is within 50 feet of a property line.

Development and wildlife areas will be graded to slopes traversable by farm machinery except for the safety berms, which are exempt from grading requirements.

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MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading of sections of the pit/lake perimeter will be accomplished before mining is completed, if feasible. Final grading will be completed within one year of permit expiration on all mined-out portions.

REPLACEMENT OF TOPSOIL

Topsoil replacement for sections of the pit/lake perimeter will be accomplished before mining is completed, if feasible. Final topsoil replacement will be completed within one year of permit expiration on all mined-out portions not used for lake access.

REVEGETATION

All areas with replaced topsoil will be seeded during the first optimum seeding period following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

6 inches

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

30

Agricultural (pasture, cropland, and horticultural)

0

Development (residential, industrial, and recreational)

15

Water impoundments (for wildlife, agriculture, or development)

125

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789 RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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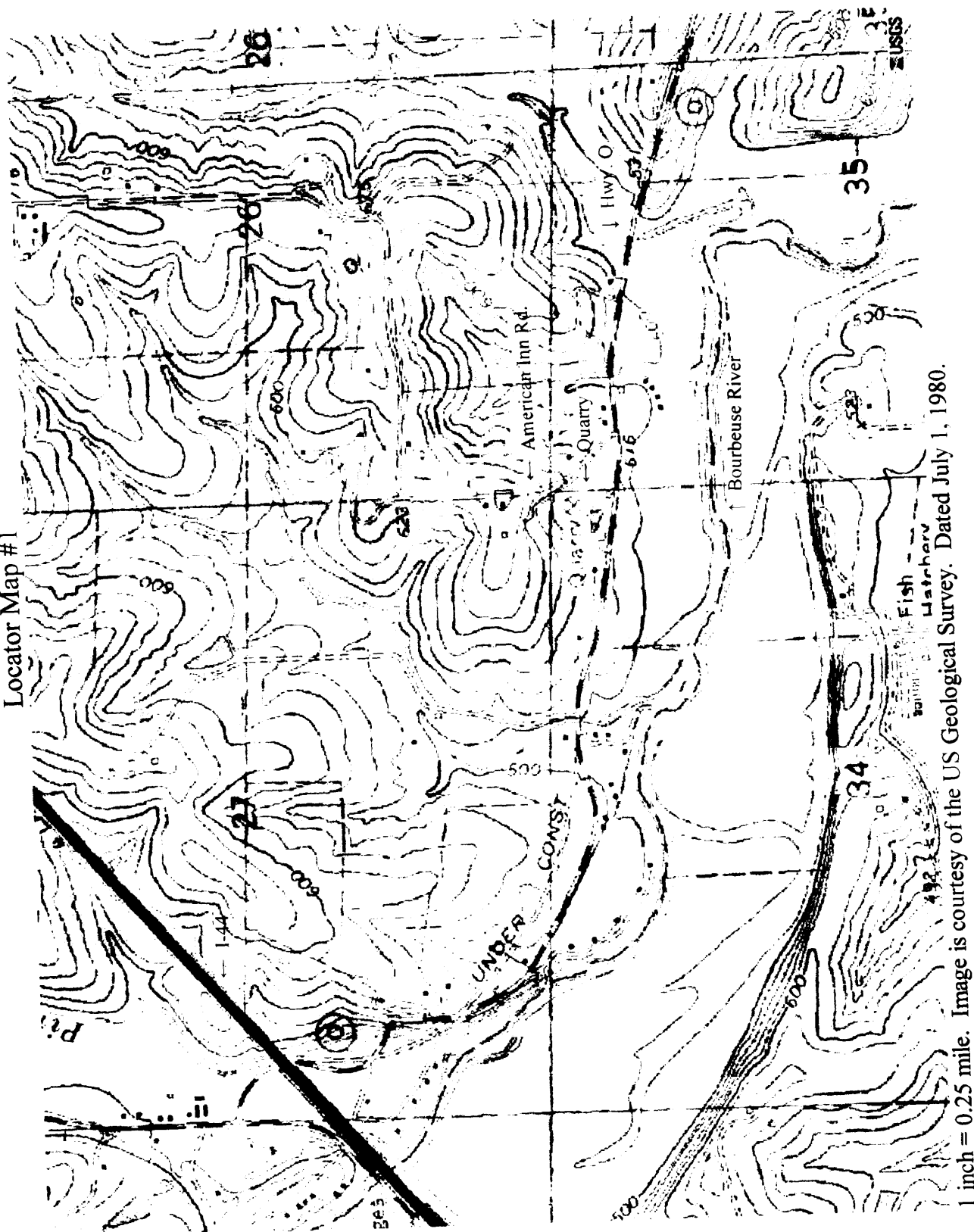
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SIGNATURE OF APPLICANT <i>John R. [Signature]</i>		TITLE VICE PRESIDENT		DATE 01-05-01
NOTARY PUBLIC EMBOSSEER SEAL	STATE MISSOURI	COUNTY (OR CITY OF ST. LOUIS) Franklin		
SUBSCRIBED AND SWORN BEFORE ME, THIS 5 th DAY OF January 2001		USE RUBBER STAMP IN AREA BELOW		
NOTARY PUBLIC SIGNATURE <i>Carol A. Warner</i>		MY COMMISSION EXPIRES 8/30/03		
NOTARY PUBLIC NAME (TYPED OR PRINTED) CAROL A. WARNER		<div style="border: 2px solid black; padding: 5px; text-align: center;">CAROL A. WARNER Notary Public - Notary Seal State of Missouri Franklin County My Commission Expires Aug 30, 2003</div>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Tom [Signature]</i>		DATE APPROVED 1-17-01		PERMIT NUMBER 0409

Riverstone Quarry, Inc.
Franklin County
Part of Sections 26, 27, 34, & 35
Township 43N, Range 1E

Locator Map #1



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Riverstone Quarry, Inc.
Franklin County
Part of Sections 26, 27, 34, & 35
Township 43N, Range 1E

Locator Map #2



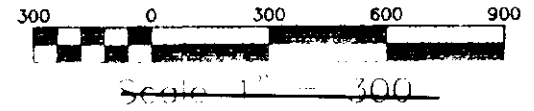
1 inch = 0.25 mile. Image is courtesy of the US Geological Survey. Dated April 6, 1995.

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POST RECLAMATION LAND USE



THIS DOES NOT CONSTITUTE A PROPERTY
BOUNDARY SURVEY

PT SECTIONS 26, 27, 34, & 35
TOWNSHIP 43 NORTH RANGE 1 EAST
OF THE 5TH P.M.

RIVERSTONE QUARRY INC.
PERMIT NO. 0409

SAFETY BERM TO EXTEND AROUND
LAKE PERIMETER
WILDLIFE - 20 ACRES

LAKE
125 ACRES

DEVELOPMENT
1.8 ACRES

DEVELOPMENT
3.2 ACRES

PRE-1972 MINE
NO PERMIT REQUIRED
21 ACRES

DEVELOPMENT
10 ACRES

WILDLIFE
10 ACRES

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LAND USE NOTES ADDED BY SANDRA BALL,
SHELL ENGINEERING & ASSOC., INC. 12/21/00

RIVERSTONE QUARRY INC.
FRANKLIN COUNTY, MISSOURI

COCHRAN		6361-584-0512
ENGINEERING & SURVEYING		(Reg.)
1500 E. INDEPENDENCE DRIVE	JACKSON, MISSOURI 64504	12-3-84
DATE	12/21/00	7473
BY	SA	12/21/00

AUG 1 2000